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NiceZyme View of ENZYME: EC 1.5.1.5

Official Name
Methylenetetrahydrofolate dehydrogenase (NADP+).

Alternative Name(s)
None.

Reaction catalysed

5,10-methylenetetrahydrofolate
+ NADP(+)
<=>
5,10-methenyltetrahydrofolate
+ NADPH

Human Genetic Disease(s)

Methyltetrahydrofolate cyclohydrolase deficiency	MIM:172460

Cross-references

Biochemical Pathways; map number(s)	B7
PROSITE	PDOC00616
BRENDA	1.5.1.5
EMP/PUMA	1.5.1.5
WIT	1.5.1.5
Kyoto University LIGAND chemical database	1.5.1.5
IUBMB Enzyme Nomenclature	1.5.1.5
IntEnz	1.5.1.5
MEDLINE	Find literature relating to 1.5.1.5
Swiss-Prot	O96553, C1TC_DROME; P11586, C1TC_HUMAN; Q922D8, C1TC_MOUSE; P27653, C1TC_RAT ; Q27772, C1TC_SPOFR; P07245, C1TC_YEAST; P09440, C1TM_YEAST; P54382, FOLD_BACSU; P57557, FOLD_BUCAI; Q8K979, FOLD_BUCAP; Q89A92, FOLD_BUCBP; Q9PKW1, FOLD_CHLMU; Q9Z8K3, FOLD_CHLPN; O84081, FOLD_CHLTR; P24186, FOLD_ECOLI; P44313, FOLD_HAEIN; Q9ZLQ4, FOLD_HELPJ; P56467, FOLD_HELPY; P47259, FOLD_MYCGE; P75096, FOLD_MYCPN; P51696, FOLD_PHOPO; Q9ZD32, FOLD_RICPR; Q60006, FOLD_SALTI; P58688, FOLD_SALTY; P96050, FOLD_STRTR; Q05213, FOLD_THEAC; P55818, MTDA_METEX;

View entry in original ENZYME format

All Swiss-Prot entries referenced in this entry, with possibility to download in different formats, align etc.

All ENZYME/Swiss-Prot entries corresponding to 1.5.1.- **new**

All ENZYME/Swiss-Prot entries corresponding to 1.5.-

All ENZYME/Swiss-Prot entries corresponding to 1.-